

U.S. DEPARTMENT OF LABOR WORKPLACE STANDARDS ADMINISTRATION BUREAU OF LABOR STANDARDS

MAY 1920 (MODIFIED)
MAY 1920 (MODIFIED)
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MDC CONTROL NO. 1956

Sheet 1 of 2 BOE-C6-0189335

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME	: MAI	RIAL AND WA	INDIFACTORER IDENTIFICATION EMER	RGENCY TELE	PHONE	NO.
CPR Division, The Upjohn Compa	ny			(213) 320		
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP C	ODE)					
555 Alaska Avenue, Torrance, C	alife	ornia 905		~****		-
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS(C			
N-Ethyl Morpholine CHEMICAL FAMILY			Isonate® CPR 2014	Compone	ant (, <u> </u>
Tertiary amine			C ₆ H ₁₃ NO			
1010101	SECT	ION II: HAZAR	DOUS INGREDIENTS*			
		TLV	I		α,	TLV
PAINTS, PRESERVATIVES/SOLVENTS	%	(UNITS)	ALLOYS AND METALLIC COAT	INGS	%	(UNITS)
PIGMENTS			BASE METAL		. 1	
CATALYST N-Ethyl Morpholine	100	20	ALLOYS			
VEHICLE			METALLIC COATINGS			
SOLVENTS	 		FILLER METAL PLUS			
			COATING OR CORE FLUX			*
ADDITIVES			OTHERS	\$ 1. 1		
OTHERS						
HAZARDOUS MIXTURES O = OTHER LIQUIDS, SOLIDS, OR GASES*					%	TLV (UNITS)
				•		
	S	ECTION III: P	HYSICAL DATA			
BOILING POINT (OF)	-	281	SPECIFIC GRAVITY (H ₂ O = 1)			0.91
VAPOR PRESSURE (mm Hg.)		5	PERCENT VOLATILE BY VOLUME (%)	+ - + - + - + - + - + - + - + - + - + -		100
VAPOR DENSITY (AIR = 1)		4	EVAPORATION RATE Butyl Acetate 1)			0.65
SOLUBILITY IN WATER		100%				
APPEARANCE AND ODOR Colorless liquid	. A	mmoniac	al odor			
	ION IV	: F RE AND E	XPLOSION HAZARD DATA			
FLASH POINT (METHOD USED) 96°F. Tag op	en c	1117)	FLAMMABLE LIMITS	1.0		9.8
EXTINGUISHING MEDIA	<u> </u>	~F				7.0
Water, foam, CO	D ₂ , c	ry chem	ical			
STIGIAL FIRE FIGHTING PROCEDURES				-		
dition of water will reduce burn	nıng	rate. Va	apors irritating to eyes, no	se and th	roat	<u> </u>
Firefighters should wear self-cor UNUSUAL FIRE AND EXPLOSION HAZARDS	ita in	ed breath	ing apparatus.			· · · · · · · · · · · · · · · · · · ·
Thermal decomposition may prod	uce:	nitrogen	oxides and traces of HCN.	<u> </u>		·

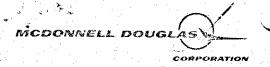
*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.

USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

* * * * * * * * * * * * * * * * * * *		SEC	TION V: HEA	LTH HAZAF	RD DATA	,		
THRESHOLD LIMIT VALUE	20 ppm		- अंबा					
EFFECTS OF OVEREXPOSUR		•				· · · · · · · · · · · · · · · · · · ·		
vapors irritate no	ose and thr	oat and m	ay cause	nausea	a. Liquid i	s severe e	ye irritant.	
vapors may cause		tic transie	nt foggi	ng of co	ornea of the	eye ("halo	o" vision).	
EMERGENCY AND FIRST AID								
In case of skin or	eye contac	t, immed	iately fl	ush with	h copious q	uantities o	clean wat	er for
at least 15 minute	s. Obtain	medical a	ttention	immed	iately for e	yes. For	inhalation,	remove
from contaminate	d area. If	symptoms	persis	t, obtai	n medical a	ttention.		
			TION VI: RI	The second secon	DATA			
	UNSTABLE	CONDIT	IONS TO AVO	OID				
STABILITY	STABLE	X Exc	essive	heat, fi	res and hot	surfaces		
INCOMPATIBILITY (MATERIA		ng acids						
HAZARDOUS DECOMPOSITION		ag a oraz		 				
Thermal decompo	osition may	produce r	itrogen	oxides	, co, co,,	and trace	s of HCN.	1
HAZARDOUS	MAY OC			TIONS TO A				
POLYMERIZATION	WILL NO	T OCCUR	X N	one			·	
		•						
		SECTION	VIII SPILI	OR LEAK P	ROCEDURES			
STEPS TO BE TAKEN IN CASE	E MATERIAL IS R		313	Oli ZZ/III				<u></u>
	Flush hea	vily with	water		*	<u> </u>		·
					· · · · · · · · · · · · · · · · · · ·	•		
WASTE DISPOSAL METHOD	Incinerate	in furnace).					
		SECTION VIII	SPECIAL F	PROTECTIO	N INFORMATION	•	· · · · · · · · · · · · · · · · · · ·	
RESPIRATORY PROTECTION	(SPECIFY TYPE)	OLOTION VA	COME	NOTEOTIO	IT ITT OTHER TION			
Self-contain	ed breathii	ng apparat	us in co	nfined a	reas.			
LO	CAL EXHAUST				SPECIAL			
VENTILATION		erred						
ME	CHANICAL (GEN	eptable	*.		OTHER			
PROTECTIVE GLOVES	<u>_</u>			EYE PR	OTECTION	•		
Rubber or plast		nmended			Chemical g	oggles		
OTHER PROTECTIVE EQUIPM Eye bath and sa		70						
Lye bam and sa	LICLY SHOWE		ON IX: SPEC	IAI PRECA	2NOITH	·		
PRECAUTIONS TO BE TAKEN	IN HANDLING A		ON IX. SI EC	ARE I NEUL	10 110113			
Store in closed co				CAUTI	ON! COM	BUSTIBLE	. LIQUID	
Y CAUSE EYE	INJURY.			· .			· · · · · · · · · · · · · · · · · · ·	
OTHER PRECAUTIONS Keep away fro	m heat, sp	arks and f	ire.					
S T Assony F	Ph D		10 Da	cember	· 1972		Sh	eet 2 of 2

PREPARED BY

BOE-C6-0189336



U.S. DEPARTMENT OF LABOR WORKPLACE STANDARDS ADMINISTRATION BUREAU OF LABOR STANDARDS

MAY 19 QPL

MAY 19 QPL

MDC CONTROL NO. 1956

Sheet 1 of 2 BOE-C6-0189337

MATERIAL SAFETY DATA SHEET

SECTION I	: MAT	ERIAL AND MA	HUFACTURER IDENTIFICATION			
MANUFACTURER'S NAME CPR Division, The Upjohn Compa		EMERGENCY TELE (213) 320	EMERGENCY TELEPHONE NO. (213) 320-3550			
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CO						
555 Alaska Avenue, Torrance, C	alif	ornia 905	03			
CHEMICAL NAME AND SYNONYMS DAN			TRADE NAME AND SYNONYMS (QPL 195 Isonate® CPR 2014 Compone		pe 2 & 3)	
CHEMICAL FAMILY			FORMULA			
Polyester polyol mixture			Mixture. DNA			
	SECT	Complete Service Comple	DOUS INGREDIENTS*			
PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)	
PIGMENTS Carbon black	4	Unknown	BASE METAL			
CATALYST		: ::	ALLOYS			
VEHICLE			METALLIC COATINGS			
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX			
ADDITIVES	1		OTHERS			
OTHERS			•			
HAZARDOUS MIX	CTURE	S OF OTHER L	IQUIDS, SOLIDS, OR GASES*	%	TLV (UNITS)	
Polyadipate ester polyol				77	Unknowı	
Monoammonium phosphate	*. *			16	Unknowı	
	÷ .					
		SECTION III: P	HYSICAL DATA			
BOILING POINT (OF)		DNA	SPECIFIC GRAVITY (H ₂ O = 1)		1.2	
VAPOR PRESSURE (mm Hg.)	VAPOR PRESSURE (mm Hg.) Nil			PERCENT VOLATILE BY VOLUME (%)		
VAPOR DENSITY (AIR = 1) DNA		DNA	EVAPORATION RATE (= 1)	DNA		
SOLUBILITY IN WATER		Ni1				
APPEARANCE AND ODOR Black pasty res	inot	ıs mixtur	e. Very little odor			
SECT	TON IV	V: FIRE AND E	XPLOSION HAZARD DATA			
FLASH POINT (METHOD USED)		**	FLAMMARIE LIMITS Lel		Uel	
	ope	n cup	None kno	wn N	lone known	
EXTINGUISHING MEDIA		001				
Water, foam, CO ₂ , dry ch	emi	<u>Car</u>				
None required						
UNUSUAL FIRE AND EXPLOSION HAZARDS Thermal decomposition of monoan	nmo	nium pho	sphate produces ammonia			

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.

USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

A STATE OF THE STA		SECTIO	V: HEALTH HAZAR	RO DATA		
THRESHOLD LIMIT VALUE	Unkn o wn	TO STATE OF STATE OF				
EFFECTS OF OVEREXPOSURE						
EMERGENCY AND FIRST AID	PROCEDURES					
	None requi	red				
*						
					•	· · · · · · · · · · · · · · · · · · ·
		The second secon	N VI: REACTIVITY	DATA		
	UNSTABLE	CONDITION	S TO AVOID			
STABILITY	STABLE X	DI	1 A			
INCOMPATIBILITY (MATERIAL	S TO AVOID)	DI	J A			
HAZARDOUS DECOMPOSITION	PRODUCTS	.,		3 4		and UCN
Thermal decomp	osition produce	s ammo	conditions to A	, and traces o	of nitrogen oxides	and HCN.
HAZARDOUS	MAY OCCUR		CONDITIONS TO A	VOID		· · · · · · · · · · · · · · · · · · ·
POLYMERIZATION	WILL NOT OCC	UR X		<u> </u>		
			: SPILL OR LEAK P	'ROCEDURES		
STEPS TO BE TAKEN IN CASE				en di una coma con Sit ria del	h dome once mith	
ver with sawdu	<u>ist or other abs</u>	orbent	material. Sv	veep up. wasi	h down area with	
methylene chlori	de, observing n	nanufac	urer's preca	utions.		
WASTE DISPOSAL METHOD			The second second		*	
Dispose of by any	y standard meth	od cons	istent with go	ood industrial	practice for visco	us liuqids
May be incinerat	ed.					
		TION VIII: S	PECIAL PROTECTION	N INFORMATION		
RESPIRATORY PROTECTION None required. W	(SPECIFY TYPE) hen used with C	'PR 2014	4 Component	A. see Safety	Data Sheet.	
LO	CAL EXHAUST			SPECIAL		
	When used with	Compo	nent A			
ME	CHANICAL (GENERAL)	Compo	nant A	OTHER		
PROTECTIVE GLOVES	When used with	Compo	EYE PR	ROTECTION		
Not	required		Che	emical goggles	;	
OTHER PROTECTIVE EQUIPM	ENT e req uired	4.5				
MOII	e required	SECTION	IX: SPECIAL PREC	AUTIONS		
PRECAUTIONS TO BE TAKEN	IN HANDLING AND STO	RING				
Store in unope	ned containers	at 10-71	▽ 上 •			
OTHER PRECAUTIONS		<u> </u>				
None required						
C T A	DL D		10 D	. 1072		

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